

IN THE CLAIMS:

Please amend claims as follows:

1. (Currently amended) ~~An electrically controlled light modulator~~A device comprising at least one cell, ~~said cell comprising at least~~

an interface between a first two deformable dielectric layers layer and a second deformable dielectric layer, which meet at an interface, at least one of said layers~~said first layer~~ consisting of a viscoelastic relief forming gel material,

a first support electrode structure arranged on one side of the dielectric layers,
a second signal electrode structure arranged on the other side of the dielectric layers and opposite opposing to the support said first electrode structure, and such that said layers are located between said first electrode structure and said second electrode structure,

signal means a signal supplier for applying a signal voltage between the support and signalsaid first and second electrode structures to generate an electric field passing through the two deformable dielectric said layers in order to create a surface reliefs relief in said first on the viscoelastic gel layer,

an third enhancement electrode structure composed of one or more separate electrode zones arranged in the proximity of the first signalsaid second electrode structure, and

an enhancement signal means supplier for applying arranged to apply a pulsed enhancement signal voltage between the said enhancement electrode structure and the signalsaid second electrode structure during flattening of said surface relief in order to enhance relaxation of said first layer locally concentrate the electric field passing through the two deformable dielectric layers and therefore arranged to enhance the amplitude of the deformation of the viscoelastic gel layer.

2. (Currently amended) The device according to the claim 1, wherein ~~within a cell the~~said enhancement electrode structure and the signalsaid second electrode structure are arranged located substantially in a single common plane respect to each other and facing the opposite support electrode structure.

3. (Currently amended) The device according to ~~the~~ claim 2, wherein ~~within a cell the electrode zones of the signal electrode structure and the electrode zones of the enhancement electrode structure are positioned in an alternating manner so that an individual signal electrode~~ a zone of said second electrode structure is located between at least two adjacent zones of said enhancement electrode ~~zones~~ structure.

4. (Currently amended) The device according to ~~the~~ claim 1, wherein ~~within a cell the~~ said enhancement electrode structure and ~~the signal~~ said second electrode structure are arranged in substantially different planes with respect to each other and with respect to ~~the opposite support~~ said first electrode structure.

5. (Currently amended) The device according to claim 1, wherein the ~~enhancement signal~~ enhancement voltage of said enhancement electrode structure is arranged to be negative ~~compared with respect to the voltage of potential defined by the support~~ said first electrode structure.

6. (Canceled).

7. (Currently amended) The device according to claim 1, wherein said enhancement electrode structure is ~~an opaque structure lithographically generated on the surface of a conductor plated substrate~~.

8. (Previously presented) The device according to claim 1, wherein said enhancement electrode structure is an optically transparent structure formed of indium tin oxide.

9. (Previously presented) The device according to claim 1, wherein an electrically insulating layer is arranged on one or both sides of said enhancement electrode structure.

10. (Currently amended) The device according to claim 1, wherein ~~the material of the~~said viscoelastic material ~~relief forming gel~~ is selected from the following group: polymer silicone compound, oil.

11. (Currently amended) The device according to claim 1, wherein the elastic modulus of said the ~~material of the~~ viscoelastic material ~~has a lower value~~relief forming gel is selected to have a ~~lower value in order to enhance the viscoelastic material flow during the on and off switching of~~ a cell.

12-13. (Canceled)

14. (Currently amended) The device according to ~~the claim 13~~19, wherein within a cell ~~the~~said enhancement electrode structure and ~~the signal~~said second electrode structure are ~~arranged~~ located substantially in a single common plane ~~with respect to each other and facing the opposite~~ support electrode structure.

15. (Currently amended) The device according to ~~the claim 14~~, wherein within a cell ~~the~~ electrode zones of the signal electrode structure and the electrode zones of the enhancement electrode structure are positioned in an alternating manner so that an individual signal electrode ~~a~~ zone of said second electrode structure is located between at least two adjacent enhancement electrode zones of said enhancement electrode structure.

16. (Currently amended) The device according to ~~the claim 13~~19, wherein within a cell ~~the~~said enhancement electrode structure and said second ~~the signal~~ electrode structure are ~~arranged~~ located in substantially different planes with respect to each other and with respect to said first ~~the opposite support electrode~~.

17. (Currently amended) The device according to claim ~~13~~19, wherein said enhancement electrode structure is an optically transparent structure formed of indium tin oxide.

18. (Canceled)

19. (New) A display device comprising a plurality of light modulating cells, each cell in turn comprising:

- an interface between a first deformable dielectric layer and a second deformable dielectric layer, said first layer consisting of a viscoelastic relief forming material,

- a first electrode structure,

- a second electrode structure opposite said first electrode structure such that said layers are located between said first electrode structure and second electrode structure,

- a signal supplier for applying a signal voltage between said first and second electrode structures to generate an electric field passing through said layers in order to create a surface relief on said first layer,

- an enhancement electrode structure arranged in the proximity of said second electrode structure, and

- an enhancement signal supplier arranged to apply a pulsed enhancement signal voltage between said enhancement electrode structure and said second electrode structure during flattening of said surface relief in order to enhance relaxation of said first layer.

20. (New) A method for creating and flattening a relief in a viscoelastic material layer by using a first electrode structure, a second electrode structure opposite said first electrode structure, an interface between a first deformable dielectric layer and a second deformable dielectric layer, said layers being arranged between said first and second electrode structures, said first deformable dielectric layer consisting of a viscoelastic relief-forming material, and an enhancement electrode structure arranged in the proximity of said second electrode structure, said method comprising:

- applying a signal voltage between said first and said second electrode structure to generate an electric field passing through said layers in order to create a surface relief on said viscoelectric material, and

applying a pulsed enhancement voltage between said second electrode structure and said enhancement electrode structure during flattening of said relief in order to enhance relaxation of said first layer.

21. (New) The method of claim 20, further comprising modulating light by using said relief.